+135-3858-6433 (GuangDong)
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CYCOLAC™ RESIN INP576

REGION MEA

DESCRIPTION

Medium flow SAN pellets. FDA compliant (part use must be at room temperature or below).

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yld, Type I, 5 mm/min	41	MPa	ASTM D638
Tensile Stress, brk, Type I, 5 mm/min	68	MPa	ASTM D638
Tensile Strain, yld, Type I, 5 mm/min	1.4	%	ASTM D638
Tensile Strain, brk, Type I, 5 mm/min	2.2	%	ASTM D638
Tensile Modulus, 5 mm/min	3970	MPa	ASTM D638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	96	MPa	ASTM D790
Flexural Modulus, 1.3 mm/min, 50 mm span	3570	MPa	ASTM D790
Hardness, Rockwell R	122	-	ASTM D785
Flexural Stress, yield, 2 mm/min	68	MPa	ISO 178
Flexural Modulus, 2 mm/min	3540	MPa	ISO 178
IMPACT			
Charpy Impact, unnotched, 23°C	1	kJ/m²	ISO 179/2C
Izod Impact, notched, 23°C	21	J/m	ASTM D256
Izod Impact, notched, -30°C	13	J/m	ASTM D256
Izod Impact, notched 80*10*4 +23°C	1	kJ/m²	ISO 180/1A
Izod Impact, notched 80*10*4 -30°C	1	kJ/m²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	98	°C	ASTM D648
HDT, 1.82 MPa, 3.2mm, unannealed	87	°C	ASTM D648
Vicat Softening Temp, Rate B/50	102	°C	ISO 306
Vicat Softening Temp, Rate B/120	106	°C	ISO 306
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	84	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.08	-	ASTM D792
Melt Flow Rate, 230°C/3.8 kg	23	g/10 min	ASTM D1238
Density	1.08	g/cm³	ISO 1183
Melt Flow Rate, 220°C/10.0 kg	78	g/10 min	ISO 1133
OPTICAL			
Yellowness Index	1	-	ASTM D1925
INJECTION MOLDING			
Drying Temperature	75 – 85	°C	
Drying Time (Cumulative)	2 – 4	Hrs	
Maximum Moisture Content	0.1	%	
Melt Temperature	190 – 220	°C	
Nozzle Temperature	190 – 220	°C	

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PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Front - Zone 3 Temperature	190 – 210	°C	
Middle - Zone 2 Temperature	180 – 200	°C	
Rear - Zone 1 Temperature	170 – 190	°C	
Mold Temperature	50 – 70	°C	
Screw Speed	40 – 70	rpm	